Sediment Management Area			
Name	River side	River miles	Approximate Area (acres)

Sediment Management Area			
Name	River side	River miles	Approximate Area (acres)
Gunderson / Shell	W	8.1 - 9.4	151.96

Sediment Management Area			
Name	River side	River miles	Approximate Area (acres)
Fireboat / GE / Galvanizers / OFs 16 & 17	w	9.45 - 9.7	14.58

Sediment Management Area			
Name	River side	River miles	Approximate Area (acres)
Goldendale / UPRR	E	9.9 -10.1	6.65

Sediment Management Area			
Name	River side	River miles	Approximate Area (acres)
Outfall 47	E	9.5 -10.0	33.80

Sediment Management Area			
Name	River side	River miles	Approximate Area (acres)
Shipyard / Lagoon	E	7.5 - 9.0	168.52

Sediment Management Area			
Name	River side	River miles	Approximate Area (acres)
Willbridge	W	7.4 - 7.9	32.99

Sediment Management Area			
Name	River side	River miles	Approximate Area (acres)
Willamette Cove	E	6.3 - 6.8	26.74

Sediment Management Area			
Name	River side	River miles	Approximate Area (acres)
Marcom	E	5.5 - 5.8	8.25

Sediment Management Area			
Name	River side	River miles	Approximate Area (acres)
Schnitzer Burgard	E	3.7 - 4.2	31.7

Sediment Management Area			
Name	River side	River miles	Approximate Area (acres)
OSM/ OF 53A	E	2.0 - 2.7	22.72

Sediment Management Area			
Name	River side	River miles	Approximate Area (acres)
US Moorings	W	5.95 - 6.1	7.08

Se	diment Management	Area	
Name	River side	River miles	Approximate Area (acres)
Crawford/ BES	E	5.9 - 6.2	5.03

Sedim	Sediment Management Area				
Name River side River miles Appr					
St. Johns West	W	5.65 - 5.9	4.64		

Sediment Management Area				
Name	Approximate Area (acres)			
Outfall 48	E	7.1 - 7.2	2.32	

Sedime	Sediment Management Area				
Name	River side	River miles	Approximate Area (acres)		
Sultzer	W	10.2 - 10.4	6.30		

Sediment Management Area				
Name	River side	River miles	Approximate Area (acres)	
RPAC / Arkema	W	6.3 - 7.5	54.49	

Sediment	Sediment Management Area				
Name	River side	River miles	Approximate Area (acres)		
Northwest Natural (Gasco)	W	6.05 - 6.6	23.10		

Sediment Management Area				
Name	River side	River miles	Approximate Area (acres)	
Time / Premier Edible Oil	E	3.45 - 3.7	6.8	

Sediment Management Area					
Name River side River miles Approximat Area (acres					
S-5 outfall	E	9.25 - 9.3	1.48		
Siltronic chlorinated VOCs	W	6.4 - 6.45	0.68		

Sediment Management Area				
Name	Approximate Area (acres)			
Triangle Park	E	7.3 - 7.5	12.27	

Sediment Management Area				
Name	Approximate Area (acres)			
Downstream PAHs	W	3.1 - 6.9	292.28	

Г						
	Sediment	Management	Area			
	Name	River side	River miles	Approximate Area (acres)		
F						
	Daving street and DDT	14/	24.62	00.40		
L	Downstream DDT	W	3.1 - 6.3	90.49		

Sediment Management Area					
Name River side River miles Approxima Area (acre					
Site-Wide PCB and DDT	Both	2.0 - 11.0	2080.00		

Sediment M	anagement	Area	
Name	River side	River miles	Approximate Area (acres)

Notes:

Data gaps identified as yes, no, unknown
Contaminant transport data gaps generally

Footnotes

*(1) Potential upland source area(see EPA is lead for upland investige to the second seco

"Stormwater" includes runoff directed to co

	Natu	re and Exte	nt of Off-Shor	e Contamination	1
COIs	Lateral Extent	Vertical Extent	Transition Zone Water	Surface Water	Justification

	INALL	Nature and Extent of Off-Shore Contamination					
COIs	Lateral	Vertical	Transition	Surface Water	Justification		
	Extent	Extent	Zone Water				
					COI- limited VOC		
				no (surface wtr	and Mn data		
	yes			concentrations	L & V Extent-		
	(behind			should be able	limited samples		
yes (VOCs	Texaco	yes (behind	yes (waiting	to be estimated	behind docks, no		
[particularly	dock &	Texaco	on TZW	by TZW & sed	sub data off James		
off Area 1],	behind	dock &	sample	concentrations	R., evaluating		
dioxins?,	dock off	south end	results off	thru equilibrium	discharge from		
Mn)	Area 3)	of Area 3)	Area 1)	partitioning)	Outfall 18		

COIs	Lateral	Vertical	Transition	Surface Water	Justification
	Extent	Extent	Zone Water		
yes					
(dioxins?,					
otherwise,				no (surface wtr	
no,	yes	yes		concentrations	
sediment	(pending	(pending		should be able	
samples	more	more	yes (could	to be estimated	
were	thorough	thorough	be filled by	by TZW & sed	
analyzed for	review of	review of	equilibrium	concentrations	
full PH suite	sediment	sediment	partitioning	thru equilibrium	
of COI)	data)	data)	calculations)	partitioning)	

Nature and Extent of Off-Shore Contamination						
COIs	Lateral Extent	Vertical Extent	Transition Zone Water	Surface Water	Justification	
no	ves	ves		no (surface wtr		
(sediment	(pending	(pending		should be able		
samples	more	more	yes (could	to be estimated		
were	thorough	thorough	be filled by	by TZW & sed		
analyzed for	review of	review of	equilibrium	concentrations		
full PH suite	sediment	sediment	partitioning	thru equilibrium		
of COI)	data)	data)	calculations)	partitioning)		

	Natu	re and Exte	nt of Off-Shor	re Contamination	1
COIs	Lateral Extent	Vertical Extent	Transition Zone Water	Surface Water	Justification
·(1)	*(1)	*(1)	*(1)	*(1)	

	INALL			re Contamination	
COIs	Lateral	Vertical	Transition	Surface Water	Justification
	Extent	Extent	Zone Water		
ves	ves				
(dioxins?,	(lateral	ves			
otherwise,	N&E fairly	(vertical			
no,	well	N&E faily		yes (surface	
sediment	defined,	well		water transect	
samples	may need	defined,	yes (could	needed at	Extent- additional
were	supplment	may need	be filled by	mouth of SI	data for hot spot
analyzed for	al	supplement	equilibrium	Lagoon to	identification & to
full PH suite	sediment	al sediment	partitioning	understand COI	supplement

calculations) transport)

definition of N&E

of COI)

data)

data)

Nature and Extent of Off-Shore Contamination							
COIs	Lateral	Vertical	Transition	Surface Water	Justification		
	Extent	Extent	Zone Water				
	yes						
	(lateral	yes					
	N&E fairly	(vertical		no (surface wtr			
	well	N&E faily		concentrations			
	defined,	well		should be able			
	may need	defined,		to be estimated			
	supplment	may need	yes (waiting	by TZW & sed			
	al	supplement	on TZW	concentrations			
	sediment	al sediment	sample	thru equilibrium			
0	data)	data)	results)	partitioning)			

	Matu	ire and Exter		re Contamination	
COIs	Lateral	al Vertical	Transition	Surface Water	Justification
	Extent	Extent	Zone Water		
yes	yes				
(dioxins?,	(lateral	yes			
otherwise,	N&E fairly	(vertical		no (surface wtr	
no,	well	N&E faily		concentrations	
sediment	defined,	well		should be able	
samples	may need	defined,	yes (could	to be estimated	
were	supplment	may need	be filled by	by TZW & sed	
analyzed for	al	supplement	equilibrium	concentrations	
full PH suite	sediment	al sediment	partitioning	thru equilibrium	
of COI)	data)	data)	calculations)		

	Natu	ire and Exte	nt of Off-Sho	e Contamination	n
COIs	Lateral Extent	Vertical Extent	Transition Zone Water	Surface Water	Justification
	yes				
	(lateral	yes			Extent- lateral
	N&E fairly	(vertical			extent towards the
	well	N&E fairly			channel, vertical
	defined,	well			extent towards
	may need	defined.	ves (could		channel and
	supplment	may need	be filled by		Cathedral Park
	al	supplmenta	equilibrium		Surface Water- to
	sediment	I sediment	partitioning		understand source
es (Mn)	data)	data)	calculations)	ves	loading

Nature and Extent of Off-Shore Contamination						
COIs	Lateral Extent		Transition Zone Water	Surface Water	Justification	
yes (dioxins?, PBDE)	yes (largely dependent on 2B cores)	yes (largely dependent on 2B cores)	yes (could be filled by equilibrium partitioning calculations)	concentrations thru equilibrium	COIs- previous PBDE hit, dioxin possibly connected to PCBs	

	Natu	ire and Extei	nt of Off-Sho	e Contamination	
COIs	Lateral	Vertical	Transition	Surface Water	Justification
	Extent	Extent	Zone Water		
	yes				
	(lateral	yes			
	N&E fairly	(vertical		no (surface wtr	
	well	N&E fairly		concentrations	
	defined,	well		should be able	
	may need	defined,	yes (could	to be estimated	
	supplment	may need	be filled by	by TZW & sed	
	al	supplmenta	equilibrium	concentrations	
	sediment	I sediment	partitioning	thru equilibrium	
yes (Mn)	data)	data)	calculations)	partitioning)	

	Natu	re and Exte	nt of Off-Sho	re Contamination	n
COIs	Lateral Extent	Vertical Extent	Transition Zone Water	Surface Water	Justification
*(2)	*(2)	*(2)	*(2)	*(2)	

Nature and Extent of Off-Shore Contamination							
COIs	Lateral	Vertical	Transition	Surface Water	Justification		
	Extent	Extent	Zone Water				
	yes						
	(lateral	yes					
	N&E fairly	(vertical		no (surface wtr			
no	well	N&E fairly		concentrations			
(sediment	defined,	well		should be able			
samples	may need	defined,	yes (could	to be estimated			
were	supplment	may need	be filled by	by TZW & sed			
analyzed for	al	supplmenta	equilibrium	concentrations			
full PH suite	sediment	I sediment	partitioning	thru equilibrium			
of COI)	data)	data)	calculations)	partitioning)			

Nature and Extent of Off-Shore Contamination							
COIs	Lateral	Vertical	Transition	Surface Water	Justification		
	Extent	Extent	Zone Water				
	yes						
	(lateral	yes					
	N&E fairly	(vertical		no (surface wtr			
no	well	N&E fairly		concentrations			
(sediment	defined,	well		should be able			
samples	may need	defined,	yes (could	to be estimated			
were	supplment	may need	be filled by	by TZW & sed			
analyzed for	al	supplmenta	equilibrium	concentrations			
full PH suite	sediment	I sediment	partitioning	thru equilibrium			
of COI)	data)	data)	calculations)	partitioning)			

Nature and Extent of Off-Shore Contamination							
COIs	Lateral	Vertical	Transition	Surface Water	Justification		
	Extent	Extent	Zone Water				
	yes						
	(lateral						
	N&E fairly			no (surface wtr			
no	well			concentrations			
(sediment	defined,	yes		should be able			
samples	may need	(subsurface	yes (could	to be estimated			
were	supplment	metals &	be filled by	by TZW & sed			
analyzed for	al	PAH need	equilibrium	concentrations	only City surface		
full PH suite	sediment	further	partitioning	thru equilibrium	data available near		
of COI)	data)	delineation)	calculations)	partitioning)	outfall		

	Nature and Ext				
COIs	Lateral	Vertical	Transition	Surface Water	Justification
	Extent	Extent	Zone Water		
yes	yes				
(dioxins?,	(lateral				
otherwise,	N&E fairly			no (surface wtr	
no,	well			concentrations	
sediment	defined,	yes		should be able	
samples	may need	(subsurface	yes (could	to be estimated	
were	supplment	metals &	be filled by	by TZW & sed	
analyzed for	al	PAH need	equilibrium	concentrations	
full PH suite	sediment	further	partitioning	thru equilibrium	
of COI)	data)	delineation)	calculations)	partitioning)	

Nature and Extent of Off-Shore Contamination							
COIs	Lateral Extent	Vertical Extent	Transition Zone Water	Surface Water	Justification		
	yes						
	(lateral						
	N&E fairly						
	well						
	defined,	yes					
	may need	(subsurface					
	supplment	metals &	yes (waiting				
	al	PAH need	on TZW	yes (currently			
	sediment	further	sample	under			
)	data)	delineation)	results)	investigation)			

Nature and Extent of Off-Shore Contamination							
COIs	Lateral Extent	Vertical Extent	Transition Zone Water	Surface Water	Justification		
	yes						
	(lateral						
	N&E fairly						
	well						
	defined,	yes					
	may need	(subsurface					
	supplment	metals &	yes (waiting				
	al	PAH need	on TZW	yes (currently			
	sediment	further	sample	under			
)	data)	delineation)	results)	investigation)			

	Nature and Extent of Off-Shore Contamination								
COIs	Lateral	Vertical	Transition	Surface Water	Justification				
	Extent	Extent	Zone Water						
	yes								
	(lateral								
	N&E fairly			no (surface wtr					
	well			concentrations					
	defined,	yes		should be able					
	may need	(subsurface	yes (could	to be estimated					
	supplment	metals &	be filled by	by TZW & sed					
	al	PAH need	equilibrium	concentrations					
	sediment	further	partitioning	thru equilibrium					
10	data)	delineation)	calculations)	partitioning)					

	Nati	ure and Exte	ent of Off-Sho	re Contamination	
COIs	Lateral Extent	Vertical Extent	Transition Zone Water		Justification
*(1)	*(1)	*(1)	*(1)	*(1)	
				yes (currently under	
no	no	no	no	investigation)	

	Nature and Extent of Off-Shore Contamination								
COIs	Lateral	Vertical	Transition	Surface Water	Justification				
	Extent	Extent	Zone Water						
	yes								
	(lateral								
	N&E fairly			no (surface wtr					
	well			concentrations					
	defined,	yes		should be able					
	may need	(subsurface	yes (could	to be estimated					
	supplment	metals &	be filled by	by TZW & sed					
	al	PAH need	equilibrium	concentrations					
	sediment	further	partitioning	thru equilibrium					
10	data)	delineation)	calculations)	partitioning)					

	Natu	ire and Exte	nt of Off-Shor	re Contaminatio	n
COIs	Lateral Extent	Vertical Extent	Transition Zone Water	Surface Water	Justification
				no (surface wtr	
				concentrations	attempting to further
				should be able	identify hot spots
			yes (could	to be estimated	and local sources of
			be filled by	by TZW & sed	PAHs, define extent
yes (PAH			equilibrium	concentrations	into the Willamette
fingerprintin			partitioning	thru equilibrium	River channel and
g?)	ves	ves	calculations)	partitioning)	Multnomah channel

Nature and Extent of Off-Shore Contamination							
COIs	Lateral	Vertical	Transition	Surface Water	Justification		
	Extent	Extent	Zone Water				
ves							
(potential				no (surface wtr			
fingerprintin				concentrations			
g needed to				should be able			
distinguish			yes (could	to be estimated			
certain			be filled by	by TZW & sed			
Arkema			equilibrium	concentrations			
COIs from			partitioning	thru equilibrium			
RPAC COIs)	yes	yes	calculations)	partitioning)			

Nature and Extent of Off-Shore Contamination									
COIs	Lateral Extent			Surface Water	Justification				
				no (surface wtr					
				concentrations					
					extent should look				
			yes (could	to be estimated	downstream				
			be filled by	by TZW & sed	(including				
yes			equilibrium	concentrations	Multnomah				
(dioxin?,			partitioning		channel) and				
PBDE, Mn)	yes	yes	calculations)	partitioning)	upstream				

	Nature and Extent of Off-Shore Contamination								
COIs	Lateral Extent	Vertical Extent	Transition Zone Water	Surface Water	Justification				

or not applicable y to be addressed by upland facilities

 $\mathfrak s$) not in DEQ's Cleanup Program therefore these potential data gaps should be defined by jation therefore these potential data gaps should be identified by EPA/partners team

onveyance systems & overland runoff (i.e., sheetflow)

	Data Gaps	}				
Contaminant Source Areas and Transport Pathways						
Source Area	Storm-water	Ground-water	Bank Erosion	Justification	MNR	

Data Gaps Contaminant Source Areas and Transport Pathways							
Source Area		Ground-water	Bank Erosion	Justification	Evaluation MNR		
upland only) / yes (non- Gunderson property, i.e., potential sources	yes (currently under investigation) (stormwater source control action will likely be required in Areas 2 & 3)	yes (currently under investigation & under source control action)	yes (currently under investigation) (bank source control action will likely be required in Areas 2 & 3)	Source Area- Potential sources contributing to OF18 not yet fully defined	ves		

Data Gaps Contaminant Source Areas and Transport Pathways						
Source Area	Storm-water	Storm-water Ground-water		Justification	MNR	
yes (potential sources contributing to OFs)	ves	no	no	Source Area- Potential sources contributing to OF not yet fully defined)		

Data Gaps Contaminant Source Areas and Transport Pathways						
	Storm-water		Bank Erosion	Justification	Evaluation MNR	
	no					
no / no	(Goldendale) / yes (UPRR)	no / no	unknown			

Contaminant Source Areas and Transport Pathways								
Source Area	Storm-water	Ground-water	Bank Erosion	Justification	MNR			
				Source Area-				
				Potential				
yes (potential				sources				
sources				contributing to				
contributing to				OF not yet fully				
OF 47)	yes	no	no	defined)				

Contaminant Source Areas and Transport Pathways						
Source Area	Storm-water	Ground-water	Bank Erosion	Justification	MNR	
no (upland Shipyard) / yes (upland sources to SI Lagoon other than Shipyard)	yes (Shipyard stormwater will be investigated) yes (stormwater sources to SI Lagoon other than Shipyard)	yes (Shipyard GW currently under investigation) yes (upland GW sources to	yes (Shipyard bank soil currently under investigation) yes (bank soil other than Shipyard)	Stormwater- expect significant	yes	

Data Gaps Contaminant Source Areas and Transport Pathways							
Source Area		Ground-water	Bank Erosion	Justification	MNR		
10	yes (currently under investigation)	yes (currently under	yes (currently under investigation)				

Data Gaps Contaminant Source Areas and Transport Pathways							
Source Area		Ground-water	Bank Erosion	Justification	MNR		
10	yes (currently under investigation)	yes (currently under	yes (currently under investigation)				

Data Gaps							
Contaminant Source Areas and Transport Pathways							
Source Area	Storm-water	Ground-water	Bank Erosion	Justification	MNR		
no (N Parcel) yes (S Parcel) yes (upland off-site stormwater sources)	yes (upland off-site stormwater sources & potential S Parcel sources)	no (N parcel) yes (S Parcel)	yes (will need to be evaluated in both N & S Parcels)	Sources & GW- upland RI not complete for South parcel, Stormwater- loading, Bank-sand blast grit present in bank	yes		

Contaminant Source Areas and Transport Pathways							
Source Area	Storm-water	Ground-water	Bank Erosion	Justification	MNR		
no (Schnitzer) yes (upland stormwater	yes (stormwater currently under	yes (GW currently under	yes (currently	GW & Bank erosion- dependent upon the completion of RI, Stormwater- potential significant migration			
sources)			investigation)	pathway	yes		

Contaminant Source Areas and Transport Pathways						
Source Area	Storm-water Gro	Ground-water	Bank Erosion	Justification	MNR	
	yes (currently	yes (currently under	yes (currently under			
no (OSM)		investigation at OSM)				
yes (for sites other than OSM)	yes (for sites other than OSM)	yes (for sites other than OSM)	yes (for sites other than OSM)			

	Data Gaps	3			
Contaminant Source Areas and Transport Pathways					
Source Area	Storm-water	Ground-water	Bank Erosion	Justification	MNR
*/2\	*(2)	*(2)	*(2)		

			Data Gaps					
_	ntaminant Sou	irce Areas and T	ransport Pa	thways	Evaluation			
Source Area	Storm-water	Storm-water Ground-water	Bank Erosion	Justification	MNR			
				BES Lab- DEQ neds to obtain & review the XPA to determine if any data gaps exist Crawford St- Beach sand removal not totally effective, DEQ needs to re-				

Data Gaps Contaminant Source Areas and Transport Pathways						
Source Area		Ground-water		Justification	Evaluation MNR	
no (Marine Finance property)						
yes (overwater	yes (currently under					
structures)	investigation)	no	no			

	Data Gaps	3			
Co	ntaminant Sou	irce Areas and	Transport Pati	hways	Evaluation
Source Area	Storm-water	Ground-water	Bank Erosion	Justification	MNR
yes (potential sources contributing to				Source Area- Potential sources contributing to OF not yet fully	
OF 48)	yes	no	n+N11o	defined)	ves

Co	Contaminant Source Areas and Transport Pathways					
Source Area	Storm-water	Ground-water	Bank Erosion	Justification	MNR	
	yes (currently under	yes (currently under				
no	investigation)		unknown			

Data Gaps Contaminant Source Areas and Transport Pathways						
Source Area		Ground-water	Bank Erosion	Justification	MNR	
10	yes (currently under investigation)	yes (currently under	yes (currently under investigation)			

Data Gaps Contaminant Source Areas and Transport Pathways						
Source Area		Ground-water	Bank Erosion	Justification	MNR	
10	yes (currently under investigation)	yes (currently under	yes (currently under investigation)			

Contaminant Source Areas and Transport Pathways						
Source Area	Storm-water	Ground-water	Bank Erosion	Justification	MNR	
yes (curently	yes (currently	yes (currently	yes (currently			
under	under	under	under			
investigation)	investigation)	investigation)	investigation)			

	Data Gaps				
Со	<u>ntaminant Sοι</u>	rce Areas and	Transport Path	nways	Evaluation
Source Area	Storm-water	Ground-water	Bank Erosion	Justification	MNR
yes (potential sources contributing to					
OF S5)	yes	no	no		
	yes (currently under	yes (currently under	no (for Siltronic's HVOC		
yes	investigation)	investigation)	release)		

	Data Gaps	•				
Co	Contaminant Source Areas and Transport Pathways					
Source Area	Storm-water	Ground-water	Bank Erosion	Justification	MNR	
no	no	yes (currently under investigation)	no			

0-	Data Gaps		Tues and Dath		Evaluation		
Source Area							
not	not		not				
applicable	applicable	not applicable	applicable		yes		

0-	Data Gaps		Tuesday and Dad		Fralmation
	ontaminant Source Areas and Transport Pathways			Evaluation	
Source Area	Storm-water	Ground-water	Bank Erosion	Justification	MNR
not applicable	not applicable	not applicable	not applicable		

Data Gaps Contaminant Source Areas and Transport Pathways					Evaluation	
Source Area	Storm-water	Ground-water	Bank Erosion	Justification	MNR	
				complete upland		
yes	ves	ves	ves	source ID and link to inwater data	ves	

	Data Gaps	}			
Contaminant Source Areas and Transport Pathways					
Source Area	Storm-water	Ground-water	Bank Erosion	Justification	MNR

EPA/partners team

of Remedial Action Alternatives Treatability Recontami- Justification

Treatability Recontami- Justification nation

of Remedial	Action Alterna	tives
Treatability Studies	Recontami- nation	Justification
unknown	yes	depositional area

Trantahility		
Treatability Studies	Recontami- nation	Justification
		Í

of Remedial A	Action Alterna	
Treatability Studies	Recontami- nation	Justification

	ives
Recontami- nation	Justification

Treatability Studies	Action Alterna Recontami- nation	Justification
unknown	yes	depositional area

Trantahility		
Treatability Studies	Recontami- nation	Justification
		Í

Trantahility		
Treatability Studies	Recontami- nation	Justification
		Í

of Remedial	Action Alterna	tives
Treatability Studies	Recontami- nation	Justification
unknown	yes	MNR on fringes

of Remedial A	Action Alterna	tives
Treatability Studies	Recontami- nation	Justification
unknown	yes	MNR on fringes

Trootobility	Recontami-	tives Justification
Freatability Studies	nation	Justilication

of Remedial Action Alternatives Treatability Recontami- Justification Studies nation

reatability Studies	Recontami- nation	Justification

Trootobility	Recontami-	tives Justification
Freatability Studies	nation	Justilication

of Remedial	Action Alterna	tives
Treatability Studies	Recontami- nation	Justification
unknown	yes	

Trootobility	Recontami-	tives Justification
Freatability Studies	nation	Justilication

Trootobility	Recontami-	tives Justification
Freatability Studies	nation	Justilication

Trootobility	Recontami-	tives Justification
Freatability Studies	nation	Justilication

Trootobility	Recontami-	tives Justification
Freatability Studies	nation	Justilication

of Remedial	Action Alterna	tives
Treatability Studies	Recontami- nation	Justification

reatability Studies	Recontami- nation	Justification

of Remedial /	Action Alterna	tives
Treatability Studies	Recontami- nation	Justification
unknown	ves	

reatability Studies	Recontami- nation	Justification

of Remedial Action Alternatives		
Treatability Studies	Recontami- nation	Justification
unknown	ves	

of Remedial Action Alternatives Treatability Recontami- Justification Studies nation